

91937789

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Date of mailing (day/month/year)
23 November 2001 (23.11.01)

International application No.
PCT/US01/05165

Applicant's or agent's file reference
6368-0101

International filing date (day/month/year)
16 February 2001 (16.02.01)

Priority date (day/month/year)
28 February 2000 (28.02.00)

Applicant
ELLIOTT, Margaret, E. et al

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
14 September 2001 (14.09.01)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

RECEIVED
DEC 21 2001
Technology Center 2100

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Paulette BOCCARD (Fax 338.87.40)

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

CHABOT, Ralph, D.
Chabot & Associates
2310 East Ponderosa Drive
Suite 4,
Camarillo, CA 93010-4757
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year)
15 February 2002 (15.02.02)

Applicant's or agent's file reference
6368-0101

IMPORTANT NOTIFICATION

International application No.
PCT/US01/05165

International filing date (day/month/year)
16 February 2001 (16.02.01)

1. The following indications appeared on record concerning:

☐ the applicant ☐ the inventor ☒ the agent ☐ the common representative

Name and Address

CHABOT, Ralph, D.
2310 East Ponderosa Drive
Suite 23
Camarillo, CA 93010
United States of America

State of Nationality

State of Residence

Telephone No.

805-388-5028

Facsimile No.

805-388-5596

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☐ the name ☒ the address ☐ the nationality ☐ the residence

Name and Address

CHABOT, Ralph, D.
Chabot & Associates
2310 East Ponderosa Drive
Suite 4,
Camarillo, CA 93010-4757
United States of America

State of Nationality

State of Residence

Telephone No.

805-388-5028

Facsimile No.

805-388-5596

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☒ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

S. Mafla (Fax 338.87.40)

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

09/937789

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Elliott, et al.

005 Rec'd PCT/PTO 28 SEP 2001

6368-0105

Serial No.

Filing Date

Examiner

Group Art Unit

Invention:

INTERNET SEARCH ENGINE

I hereby certify that the following correspondence:

Transmittal Letter re: Filing Under 35 USC 371, Declaration and Power of Attorney, Assignment and Recordation
Cover Sheet, PTO-2038 Credit Card Payment Form

(Identify type of correspondence)

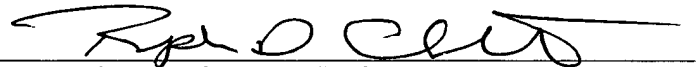
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

September 28, 2001

(Date)

Ralph D. Chabot

(Typed or Printed Name of Person Mailing Correspondence)



(Signature of Person Mailing Correspondence)

EL 842782945 US

("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.

REC'D 11 APR 2002

WIPO

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 6368-0101	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US 01/ 05165	International filing date (day/month/year) 16/02/2001	Priority date (day/month/year) 28/02/2000
International Patent Classification (IPC) or national classification and IPC G06F17/30		
Applicant GEOCONTENT, INC. et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

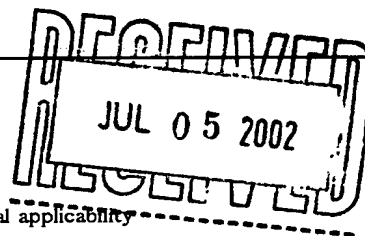
2. This **REPORT** consists of a total of 2 sheets, including this cover sheet.


☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

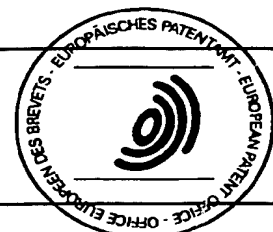
These annexes consists of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application



Date of submission of the demand 14/09/2001	Date of completion of this report 04/04/2002
Name and mailing address of the IPEA/  European Patent Office D-80298 Munich Tel. (+49-89) 2399-0, Tx: 523656 epmu d Fax: (+49-89) 2399-4465	Authorized officer ROUSSEL A T Tel. (+49-89) 2399 2828



I. Basis of the report

The basis of this international preliminary examination is the application as originally filed.

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability

In light of the documents cited in the international search report, it is considered that the invention as defined in at least some of the claims does not appear to meet the criteria mentioned in Article 33(1) PCT, i.e. does not appear to be novel and/or to involve an inventive step (see international search report, in particular the documents cited X and/or Y and corresponding claim references).

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 September 2001 (07.09.2001)

PCT

(10) International Publication Number
WO 01/65410 A2

(51) International Patent Classification⁷: **G06F 17/30**

(21) International Application Number: PCT/US01/05165

(22) International Filing Date: 16 February 2001 (16.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/185,322	28 February 2000 (28.02.2000)	US
60/226,358	18 August 2000 (18.08.2000)	US
60/261,095	10 January 2001 (10.01.2001)	US

(71) Applicant (for all designated States except US): **GEO INSIGHT INTERNATIONAL, INC.** [US/US]; 1015 Mark Avenue, Carpinteria, CA 93013 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ELLIOTT, Margaret, E.** [US/US]; 101 Longhorn Way, Ojai, CA 93023

(US). **BELL, David, W.** [US/US]; 1601 Dogwood Way, Pine Mountain Club, CA 93222 (US). **WELCH, James, E.** [US/US]; 2311 Vista Madera, Santa Barbara, CA 93101 (US).

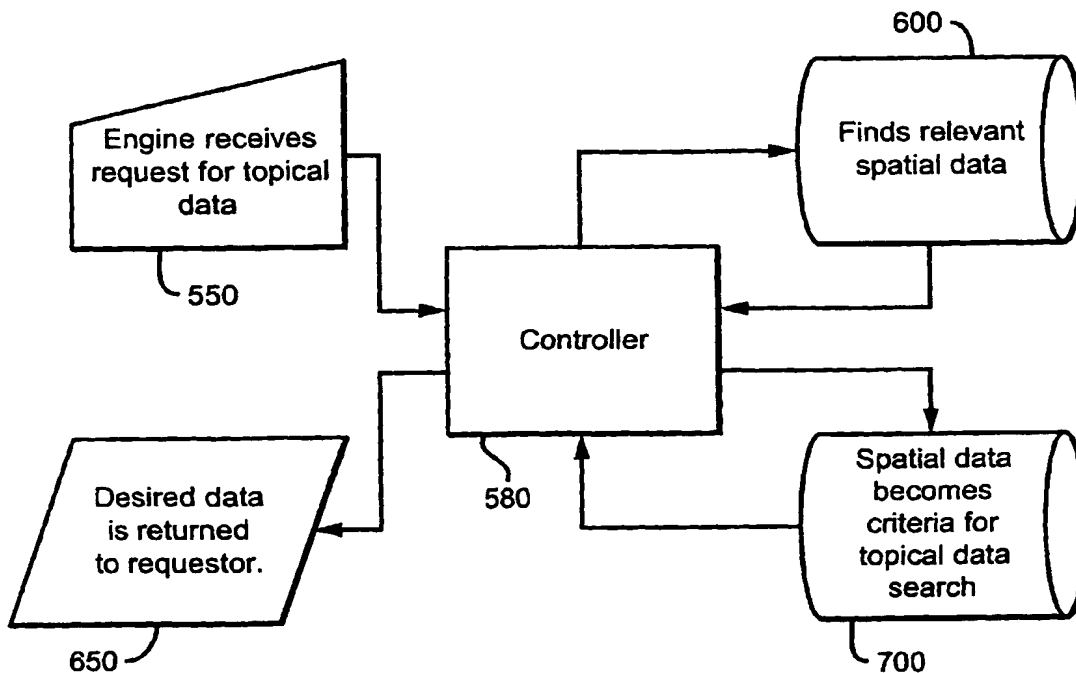
(74) Agent: **CHABOT, Ralph, D.**; 2310 East Ponderosa Drive, Suite 23, Camarillo, CA 93010 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: INTERNET SEARCH ENGINE



(57) Abstract: The invention disclosed is a spatial indexing intelligent agent that indexes information against a database of spatial language which is used in combination with a modified search engine that conducts searches using spatially relevant criteria and spatial analysis algorithms. Alpha-numeric values from a mathematical system are used for identifying spatial locations, and can be arbitrary, geocentric, virtual, and galactic.



Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
7 September 2001 (07.09.2001)

PCT

(10) International Publication Number
WO 01/65410 A3(51) International Patent Classification⁷: **G06F 17/30**

(21) International Application Number: PCT/US01/05165

(22) International Filing Date: 16 February 2001 (16.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/185,322	28 February 2000 (28.02.2000)	US
60/226,358	18 August 2000 (18.08.2000)	US
60/261,095	10 January 2001 (10.01.2001)	US

(71) Applicant (for all designated States except US): **GEO-CONTENT, INC.** [US/US]; 1015 Mark Avenue, Carpinteria, CA 93013 (US).

(72) Inventors; and

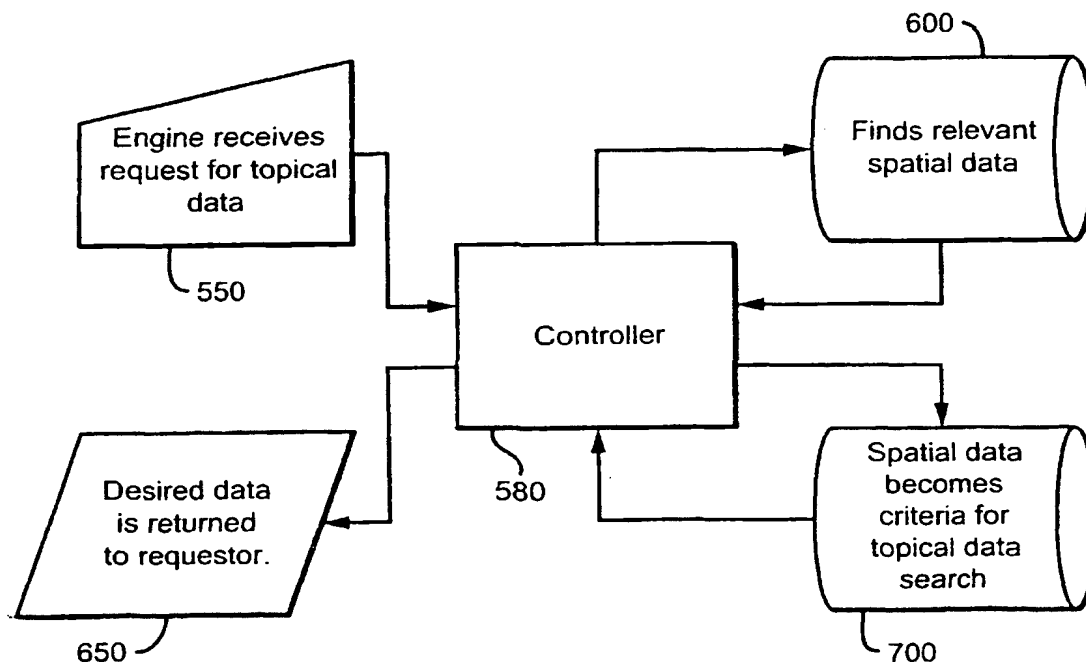
(75) Inventors/Applicants (for US only): **ELLIOTT, Margaret, E.** [US/US]; 101 Longhorn Way, Ojai, CA 93023 (US). **BELL, David, W.** [US/US]; 1601 Dogwood Way,Pine Mountain Club, CA 93222 (US). **WELCH, James, E.** [US/US]; 2311 Vista Madera, Santa Barbara, CA 93101 (US).(74) Agent: **CHABOT, Ralph, D.**; Chabot & Associates, 2310 East Ponderosa Drive, Suite 4., Camarillo, CA 93010-4757 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SEARCH ENGINE FOR SPATIAL DATA INDEXING



(57) Abstract: The invention disclosed is a spatial indexing intelligent agent that indexes information against a database of spatial language which is used in combination with a modified search engine that conducts searches using spatially relevant criteria and spatial analysis algorithms. Alpha-numeric values from a mathematical system are used for identifying spatial locations, and can be arbitrary, geocentric, virtual, and galactic.



Published:

-- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

14 March 2002

09937.789

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 6368-0101	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 01/ 05165	International filing date (day/month/year) 16/02/2001	(Earliest) Priority Date (day/month/year) 28/02/2000
Applicant GEO INSIGHT INTERNATIONAL, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

SEARCH ENGINE FOR SPATIAL DATA INDEXING

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

2



as suggested by the applicant.



None of the figures.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/05165

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	<p>US 5 893 093 A (WILLS KENNETH) 6 April 1999 (1999-04-06)</p> <p>column 2, line 63 -column 3, line 7 column 3, line 48 -column 5, line 21; figures 1,5A,5B column 6, line 18 - line 60; figures 3,7 column 7, line 28 - line 36; figure 9</p> <p style="text-align: center;">--- -/--</p>	<p>3</p> <p>1,4,6</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

22 November 2001

Date of mailing of the international search report

05/12/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Polzer, A

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	POTMESIL M: "Maps alive: viewing geospatial information on the WWW" COMPUTER NETWORKS AND ISDN SYSTEMS, NORTH HOLLAND PUBLISHING, vol. 29, no. 8-13, 1 September 1997 (1997-09-01), pages 1327-1342, XP004095328 AMSTERDAM, NL ISSN: 0169-7552	3
Y	section 2.2 section 2.3 section 2.4	4,6
Y	--- AU 53031 98 A (MILLS DUDLEY JOHN) 27 August 1998 (1998-08-27) page 8, line 38 -page 9, line 2 page 14, line 45 -page 15, line 12 ---	4,6
A	"METHOD FOR USING GLOBAL POSITION SYSTEM TO FIND CLOSE SERVICES" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP., vol. 41, no. 1, 1 January 1998 (1998-01-01), page 693 XP000772259 NEW YORK, NY, US ISSN: 0018-8689 the whole document	1,3,4,6
A	--- GOVINDARAJAN J ET AL: "Geo Viser - Geographic Visualization of Search Engine Results" TENTH INTERNATIONAL WORKSHOP ON DATABASE AND EXPERT SYSTEMS APPLICATIONS, DEXA 99, FLORENCE, IT, 1 - 2 September 1999, pages 269-273, XP010352427 IEEE Comput. Soc., Los Alamitos, CA, US ISBN: 0-7695-0281-4 page 270, right-hand column, line 36 - line 50; figure 1 page 271, right-hand column, line 15 - line 33 page 272, left-hand column, line 4 - line 18 -----	1,3,4,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/05165

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5893093	A	06-04-1999	US	6202065 B1	13-03-2001
AU 5303198	A	27-08-1998	US	2001021935 A1	13-09-2001



EPA / EPO / OEB • Patentlaan 2 • P.B. 5818 • NL 2280-HV Rijswijk

CHABOT, Ralph
2310 East Ponderosa Drive
Suite 23
Camarillo, CA 93010
UNITED STATES OF AMERICA

✉ EPA/EPO/OEB
Patentlaan 2
NL 2280-HV Rijswijk
☎ (+31 70) 340 2040
Fax (+31 70) 340 3016

Durchwahl / Direct dial /
Ligne directe:

Zeichen / Reference / Reference

Datum / Date / Date

12. 09. 2001

PCT/US 01/ 05165

The applicant is informed that establishment of the international search report (ISR) may be subject to a considerable delay due to the search backlog in the technical field concerned.

Irrespective of when the ISR is established, the 19-month time limit prescribed in Article 39(1)(a) PCT for filing a demand for international preliminary examination, which is a non-extendable statutory time limit, must be observed if the applicant wants to obtain extension of the international phase to a total of 30 months from the priority date. In view of the exceptional circumstances, the EPO acting as IPEA will accept the handling fee and the fee for preliminary examination in the present application, even if they are not paid within the time limit prescribed in Rules 57.3 and 58.1(b) PCT, provided that they are paid within one month from the date of dispatch of the ISR.

We apologize for any inconvenience caused.

RECEIVING SECTION

